

## (54) NONASBESTINE FRICTION MATERIAL

(11) 4-314779 (A) (43) 5.11.1992 (19) JP  
 (21) Appl. No. 3-82535 (22) 15.4.1991  
 (71) ASUKU K.K. (72) AKIRA HATA(4)  
 (51) Int. Cl<sup>s</sup>. C09K3/14, F16D69/00

**PURPOSE:** To provide a friction material for a nonasbestine drum brake lining, a pad for a disc brake and a brake material for an industrial machine, especially a nonasbestine friction material for a brake having a high coefficient of static friction and stable performances.

**CONSTITUTION:** A nonasbestine friction material prepared by adding 1-15wt.% xonolite to a nonasbestine friction material comprising a base, a lubricant, a filler, a metallic powder, a friction modifier and a binder.

## (54) AEROSOL COMPOSITION

(11) 4-314780 (A) (43) 5.11.1992 (19) JP  
 (21) Appl. No. 3-79856 (22) 12.4.1991  
 (71) OSAKA AEROSOL IND CORP (72) RYOICHI OWADA(1)  
 (51) Int. Cl<sup>s</sup>. C09K3/30, A61K9/12

**PURPOSE:** To provide an aerosol composition which is nonsticky, and nonirritating to the skin, resists to phase separation or separation into layers even in a nonagitated state and can give the desired composition whenever needed.

**CONSTITUTION:** An aerosol composition comprising 10-70wt.% solution containing 1-50 pts.wt. oil component and 50-99 pts.wt. alcohol component and 30-90wt.% liquefied petroleum gas and/or dimethyl ether as a propellant.

*water*

## (54) ARTIFICIAL FIRED SOIL FOR CULTIVATING PLANT AND ITS PRODUCTION

(11) 4-314783 (A) (43) 5.11.1992 (19) JP  
 (21) Appl. No. 3-106489 (22) 12.4.1991  
 (71) NIPPON STEEL CORP(1) (72) JUNSUKE HARUNA(2)  
 (51) Int. Cl<sup>s</sup>. C09K17/00

**PURPOSE:** To provide an artificial magnetic soil for cultivating plants by using fly ash and iron-containing dust or sludge as industrial wastes and to provide a process for producing the same.

**CONSTITUTION:** An artificial fired soil for cultivating plants which is a fired particulate composition containing magnetic iron oxide and consisting mainly of fly ash or both fly ash and clay and has a water absorption of 20% or above and a magnetic flux density of 3 G or above, and a process for producing the same comprising kneading fly ash or a mixture of fly ash with clay with an iron-containing dust or an iron-containing sludge and powdered coke or coal powder and firing the obtained composition after granulation.